

Home ->> electricity ->> electricity generation

California Electrical Energy Generation

California Electrical Energy Generation* Total Production, by Resource Type (Gigawatt Hours) For years 1983 - 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 California Generation 246,876 267,399 274,444 280,026 290,211 289,177 298,454 304,823 307,448 299,101 291,310 293,875 302,113 296,569 plus Net Imports * Total Hydroelectric 42.053 24.988 31.359 36.341 34.490 40.263 48.559 27.105 24,460 29.220 34.327 42.731 27.459 24.098 N/A 20,691 29,589 23,071 20,754 Large Hydroelectric 26,647 30.931 34,228 41,861 20,352 24,699 29,145 36,355 23.133 Small Hydroeletric N/A 4,297 4.712 5.410 4.901 6.034 6.698 4,034 4.108 4.522 5.182 6.376 4,326 3.343 43,533 18,491 33,294 34,353 35.594 30,241 32,036 35,698 31,509 32,214 36,666 17,860 Nuclear 36,155 32,482 1,580 In-State Coal 3,183 4,041 4,275 4.269 4,086 4.283 4.190 4,217 3,977 3,735 3.406 3.120 1,018 Oil 449 379 87 103 127 148 134 103 92 67 52 36 90 38 Natural Gas ** 106,878 116,369 92,752 105,358 109,316 120,459 123,036 117,277 109,916 91,276 121,761 120,896 94.715 97.110 13,456 13,525 13,396 13,329 13,494 13,292 13,093 13,029 12,907 12,907 12,740 12,685 12,733 12,485 Geothermal 6,086 5,761 6,092 6,080 6,076 5,861 5,743 6,096 5,960 6,121 **Biomass** 6.196 5.927 5.986 6.466 Wind 3.242 3,604 3 546 3 3 1 6 4 258 4 084 4 902 5 570 5 724 6 249 6 172 7 598 9 242 12,694 Solar 860 836 851 759 741 660 616 668 733 851 912 1.097 1.834 4.154 0 108 34 20 Other 38 35 48 24 15 39 12 13 14 14 Direct Coal 23.877 23.699 23.653 23.148 24.504 24.114 14,452 14,417 14,463 13.556 13.119 13.032 9.716 11,824 Imports** Other Imports**** 2 897 41 227 63 941 62 253 66 785 62 967 65 263 77 799 83 608 77 615 72 481 79 633 93 071 85 022 Total In-State 220,102 202,473 186,851 194,625 198,922 202,096 218,740 212,606 209,377 207,931 205,711 201,210 199,326 199,723 Generation Governmental and Utility-Owned In-99,733 67,208 70,484 76,406 71,246 83,213 91,801 83,085 79,345 81,897 86,369 94,169 71,162 68,941 State Generation 41,001 21,449 28,992 23,203 28,271 Total Hydroelectric 26.395 29.984 33.210 39.979 20.676 24.367 34.437 22.693 20.506 Large Hydroelectric N/A 18,322 23.198 26,411 25,807 29,301 35,731 20,553 17,991 21,431 24,998 30,432 19,902 18,341 Small Hydroeletric N/A 3,127 3,197 3,574 3,185 3,910 4,248 2,649 2,684 2,935 3,272 4,006 2,791 2,164 Nuclear 43,533 33,294 34,353 35,594 30,241 36,155 32,036 35,698 32,482 31,509 32,214 36,666 18,491 17,860 In-state Coal 0 0 0 0 0 0 0 0 0 0 0 0 0 0 51 157 123 43 41 51 58 53 53 45 35 30 29 28 Natural Gas 13,747 11,344 8,537 9,591 10,814 12,788 18,743 23,142 25,157 25,050 24,954 22,066 28,763 29,394 Geothermal 1,252 996 1,150 1,190 1,140 997 970 975 947 903 846 858 875 817 **Biomass** 34 0 4 4 6 2 20 12 28 18 38 37 39 20 Wind 7 0 0 0 0 0 0 0 0 0 0 0 0 0 Solar 3 3 2 2 2 2 2 2 3 5 11 73 273 317 Other 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Commercial In-State 120.369 130.031 130.782 135 265 116 367 118 220 127 676 118 883 126 938 129 521 126 034 119 341 107 041 128 164 Generation

Total Hydroelectric	1,052	3,539	4,965	6,357	5,498	7,052	8,579	3,902	3,784	4,854	6,057	8,294	4,767	3,592
Large Hydroelectric	N/A	2,369	3,450	4,520	3,782	4,928	6,130	2,517	2,361	3,267	4,147	5,924	3,231	2,413
Small Hydroeletric	N/A	1,170	1,515	1,837	1,716	2,125	2,449	1,384	1,423	1,586	1,910	2,370	1,535	1,179
Nuclear	0	0	0	0	0	0	0	0	0	0	0	0	0	C
In-state Coal	3,183	4,041	4,275	4,269	4,086	4,283	4,190	4,217	3,977	3,735	3,406	3,120	1,580	1,018
Oil	293	256	44	62	76	90	83	51	39	22	17	6	61	11
Natural Gas	93,130	105,025	84,215	85,124	94,544	84,322	90,573	97,317	97,880	92,227	84,962	69,210	92,999	91,502
Geothermal	12,204	12,528	12,246	12,139	12,354	12,295	12,123	12,054	11,960	12,004	11,894	11,826	11,858	11,668
Biomass	6,052	5,761	6,192	6,088	6,074	6,074	5,841	5,731	5,899	6,078	5,922	5,949	6,081	6,446
Wind	3,597	3,242	3,546	3,316	4,258	4,084	4,902	5,570	5,724	6,249	6,172	7,598	9,242	12,694
Solar	857	834	848	757	739	658	614	666	730	846	901	1,024	1,561	3,837
Other	0	38	35	108	48	24	34	15	39	20	12	13	14	14
Energy Exports	N/A	14,854	6,534	6,026	4,825	5,685	5,056	5,586	5,064	4,629	5,054	5,146	4,974	3,281
Pacific Northwest	N/A	5,846	1,020	1,471	1,532	2,061	2,518	2,620	2,242	1,871	1,809	1,133	761	809
Pacific Southwest	N/A	9,007	5,514	4,555	3,292	3,623	2,539	2,966	2,822	2,759	3,245	4,013	4,213	2,472
Energy Imports	N/A	79,780	94,128	91,427	96,113	92,766	84,771	97,802	103,136	95,800	90,653	97,811	107,760	100,127
Pacific Northwest	N/A	12,672	28,206	23,775	22,363	22,347	22,321	27,289	26,201	21,800	26,486	36,352	40,231	35,897
Pacific Southwest	N/A	67,107	65,921	67,652	73,750	70,419	62,450	70,514	76,935	74,000	64,168	61,459	67,529	64,230
Net Energy Imports	26,774	64,926	87,594	85,401	91,289	87,081	79,714	92,217	98,072	91,171	85,599	92,665	102,786	96,846
Pacific Northwest	18,777	6,826	27,186	22,303	20,831	20,286	19,803	24,669	23,959	19,929	24,677	35,219	39,470	35,088
Pacific Southwest	7,997	58,100	60,408	63,097	70,458	66,795	59,911	67,547	74,113	71,241	60,922	57,446	63,317	61,758

	Oil			293	256	44	62	76	90	83	51	39	2:	2 '	17	6	61	11
	Natural G	as	93,	130 10	5,025	84,215	85,124	94,544	84,322	90,573	97,317	97,880	92,22	7 84,96	69,2	210 92,	,999 91	1,502
	Geotherm	nal	12,	204 1	2,528	12,246	12,139	12,354	12,295	12,123	12,054	11,960	12,00	11,89	94 11,8	326 11,	858 11	1,668
	Biomass		6,	052	5,761	6,192	6,088	6,074	6,074	5,841	5,731	5,899	6,07	5,92	22 5,9	949 6,	,081 6	6,446
	Wind		3,	597	3,242	3,546	3,316	4,258	4,084	4,902	5,570	5,724	6,24	6,17	72 7,5	598 9,	,242 12	2,694
	Solar			857	834	848	757	739	658	614	666	730	84	90	01 1,0)24 1,	,561 3	3,837
	Other			0	38	35	108	48	24	34	15	39	20) ,	12	13	14	14
	Energy Exp	orts	ı	N/A 1	4,854	6,534	6,026	4,825	5,685	5,056	5,586	5,064	4,62	5,05	54 5,1	146 4,	974 3	3,281
	Pacific No	orthwest	1	N/A	5,846	1,020	1,471	1,532	2,061	2,518	2,620	2,242	1,87	1 1,80	09 1,1	133	761	809
	Pacific So	outhwest	ı	N/A	9,007	5,514	4,555	3,292	3,623	2,539	2,966	2,822	2,75	9 3,24	4,0	013 4,	,213 2	2,472
	Energy Imp	orts	ı	N/A 7	9,780	94,128	91,427	96,113	92,766	84,771	97,802	103,136	95,80	90,65	53 97,8	311 107,	760 100),127
	Pacific No	orthwest	1	N/A 1:	2,672	28,206	23,775	22,363	22,347	22,321	27,289	26,201	21,80	26,48	36,3	352 40,	,231 35	5,897
	Pacific So	outhwest	1	N/A 6	7,107	65,921	67,652	73,750	70,419	62,450	70,514	76,935	74,00	64,16	61,4	159 67,	529 64	1,230
	Net Energy	Imports	26,	774 6	4,926	87,594	85,401	91,289	87,081	79,714	92,217	98,072	91,17	1 85,59	92,6	665 102,	786 96	6,846
	Pacific No	orthwest	18,	777	6,826	27,186	22,303	20,831	20,286	19,803	24,669	23,959	19,92	24,67	77 35,2	219 39,	470 35	5,088
	Pacific So	outhwest	7,	997 5	8,100	60,408	63,097	70,458	66,795	59,911	67,547	74,113	71,24	1 60,92	22 57,4	146 63,	317 61	1,758
		1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
		1303	1304	1303	1300	1307	1300	1303	1330	1331	1332	1333	1334	1333	1330	1337	1330	1333
Сa	lifornia																	
Ge	neration	199,609	211,900	210,172	211,02	8 220,371	232,92	6 238,567	252,355	242,343	245,535	242,026	256,719	256,367	253,621	230,243	244,577	243,077
	ıs Net ports *								,	,	,						,	,
	Total	59,351	46,880	33,898	44,47	8 27.140	26.69	2 32,742	26.092	23,244	22,373	41.595	25,626	51,665	47,883	41.400	48.757	41,627
- 1	Hydroelectric	39,331	40,000	33,090	744,47	27,140	20,08	32,742	20,092	25,244	22,575	41,090	25,020	31,003	47,000	41,400	40,737	41,027
	Large Hydroelectric	N/A	N/A	N/A	N//	A N/A	N/	A N/A	N/A	N/A	N/A							
	Small Hydroeletric	N/A	N/A	N/A	N/A	A N/A	N/	A N/A	N/A	N/A	N/A							
ı	Nuclear	6,738	13,467	18,911	28,00	0 32,995	35,48	33,803	36,586	37,167	38,622	36,579	38,828	36,186	39,753	37,267	41,715	40,419
	n-State Coal	563	731	865	1,03	3 1,163	1,79	1 2,479	3,692	3,050	3,629	2,549	2,655	1,136	2,870	2,276	2,701	3,602

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	Wind		3,5	597 3	,242	3,546	3,316	4,258	4,084	4,902	5,570	5,724	6,249	9 6,17	7,5	9,	242 12	2,694
	Solar		8	357	834	848	757	739	658	614	666	730	846	90	1,0	1,	561 3	3,837
	Other			0	38	35	108	48	24	34	15	39	20) 1	2	13	14	14
												1						
	Energy Exp	orts	١	V/A 14	,854	6,534	6,026	4,825	5,685	5,056	5,586	5,064	4,629	5,05	5,1	46 4,	974 3	3,281
	Pacific No	orthwest	N	V/A 5	,846	1,020	1,471	1,532	2,061	2,518	2,620	2,242	1,87	1 1,80	9 1,1	33	761	809
	Pacific So	outhwest	N	V/A 9	,007	5,514	4,555	3,292	3,623	2,539	2,966	2,822	2,759	3,24	5 4,0	13 4,	213 2	2,472
													1					
	Energy Imp				,	·	91,427	96,113	92,766	84,771	97,802	103,136						,127
	Pacific No					·	23,775	22,363	22,347	22,321	27,289	26,201	21,800					5,897
	Pacific So	outnwest	P	N/A 67	,107 6	5,921	67,652	73,750	70,419	62,450	70,514	76,935	74,000	64,16	61,4	59 67,	529 64	,230
	Net Energy	Imports	26,7	774 64	,926 8	7,594	85,401	91,289	87,081	79,714	92,217	98,072	91,17	1 85,59	92,6	665 102,	786 96	5,846
	Pacific No	•	18,7		,	·	22,303	20,831	20,286	19,803	24,669	23,959	19,929					5,088
	Pacific So						63,097	70,458	66,795	59,911	67,547	74,113						,758
	1 dollo oc	Juliwoot	7,0	00	, 100	0,400	00,001	70,400	00,700	00,011	07,047	74,110	7 1,24	00,02	.2 07,4	40 00,	017 01	,700
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		1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						1	T			1								
Gen plus	fornia eration s Net orts *	199,609	211,900	210,172	211,028	220,371	232,926	238,567	252,355	242,343	245,535	242,026	256,719	256,367	253,621	230,243	244,577	243,077
	otal ydroelectric	59,351	46,880	33,898	44,478	27,140	26,692	32,742	26,092	23,244	22,373	41,595	25,626	51,665	47,883	41,400	48,757	41,627
	arge ydroelectric	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	mall ydroeletric	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N	uclear	6,738	13,467	18,911	28,000	32,995	35,481	33,803	36,586	37,167	38,622	36,579	38,828	36,186	39,753	37,267	41,715	40,419
In	-State Coal	563	731	865	1,033	1,163	1,791	2,479	3,692	3,050	3,629	2,549	2,655	1,136	2,870	2,276	2,701	3,602
0	il	6,535	2,632	2,790	3,126	2,143	8,158	9,275	4,449	523	107	2,085	1,954	489	693	143	123	55
N **	atural Gas	45,486	58,248	69,771	49,260	75,437	74,221	78,916	76,082	75,828	87,032	70,715	95,025	78,378	66,711	74,341	82,052	84,703
G	eothermal	7,020	9,272	10,957	13,094	14,083	14,194	15,247	16,038	15,566	16,491	15,770	15,573	14,267	13,539	11,950	12,554	13,251
В	iomass	731	1,099	1,171	2,063	2,461	4,092	5,204	6,644	7,312	7,362	5,760	7,173	5,969	5,557	5,701	5,266	5,663
V	/ind	52	192	655	1,221	1,713	1,824	2,139	2,418	2,669	2,707	2,867	3,293	3,182	3,154	2,739	2,776	3,433
S	olar	2	11	33	64	188	315	471	681	719	700	857	798	793	832	810	839	838
0	ther	0	0	0	6	5	4	4	4	0	2	0	0	0	343	896	230	0
	irect Coal nports***	17,001	18,080	14,112	17,588	17,544	19,243	17,223	17,710	20,392	28,806	20,358	22,440	16,788	22,590	22,411	22,570	22,802

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
California Generation plus Net Imports *	199,609	211,900	210,172	211,028	220,371	232,926	238,567	252,355	242,343	245,535	242,026	256,719	256,367	253,621	230,243	244,577	243,077
Total Hydroelectric	59,351	46,880	33,898	44,478	27,140	26,692	32,742	26,092	23,244	22,373	41,595	25,626	51,665	47,883	41,400	48,757	41,627
Large Hydroelectric	N/A																
Small Hydroeletric	N/A																
Nuclear	6,738	13,467	18,911	28,000	32,995	35,481	33,803	36,586	37,167	38,622	36,579	38,828	36,186	39,753	37,267	41,715	40,419
In-State Coal	563	731	865	1,033	1,163	1,791	2,479	3,692	3,050	3,629	2,549	2,655	1,136	2,870	2,276	2,701	3,602
Oil	6,535	2,632	2,790	3,126	2,143	8,158	9,275	4,449	523	107	2,085	1,954	489	693	143	123	55
Natural Gas **	45,486	58,248	69,771	49,260	75,437	74,221	78,916	76,082	75,828	87,032	70,715	95,025	78,378	66,711	74,341	82,052	84,703

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 | N/A | N/A
 | N/A | N/A
 | N/A | N/A |
| 6,738 | 13,467 | 18,911 | 28,000 | 32,995 | 35,481 | 33,803 | 36,586
 | 37,167
 | 38,622
 | 36,579
 | 38,828 | 36,186
 | 39,753 | 37,267
 | 41,715 | 40,419 |
| 563 | 731 | 865 | 1,033 | 1,163 | 1,791 | 2,479 | 3,692
 | 3,050
 | 3,629
 | 2,549
 | 2,655 | 1,136
 | 2,870 | 2,276
 | 2,701 | 3,602 |
| 6,535 | 2,632 | 2,790 | 3,126 | 2,143 | 8,158 | 9,275 | 4,449
 | 523
 | 107
 | 2,085
 | 1,954 | 489
 | 693 | 143
 | 123 | 55 |
| 45,486 | 58,248 | 69,771 | 49,260 | 75,437 | 74,221 | 78,916 | 76,082
 | 75,828
 | 87,032
 | 70,715
 | 95,025 | 78,378
 | 66,711 | 74,341
 | 82,052 | 84,703 |
| 7,020 | 9,272 | 10,957 | 13,094 | 14,083 | 14,194 | 15,247 | 16,038
 | 15,566
 | 16,491
 | 15,770
 | 15,573 | 14,267
 | 13,539 | 11,950
 | 12,554 | 13,251 |
| 731 | 1,099 | 1,171 | 2,063 | 2,461 | 4,092 | 5,204 | 6,644
 | 7,312
 | 7,362
 | 5,760
 | 7,173 | 5,969
 | 5,557 | 5,701
 | 5,266 | 5,663 |
| 52 | 192 | 655 | 1,221 | 1,713 | 1,824 | 2,139 | 2,418
 | 2,669
 | 2,707
 | 2,867
 | 3,293 | 3,182
 | 3,154 | 2,739
 | 2,776 | 3,433 |
| 2 | 11 | 33 | 64 | 188 | 315 | 471 | 681
 | 719
 | 700
 | 857
 | 798 | 793
 | 832 | 810
 | 839 | 838 |
| 0 | 0 | 0 | 6 | 5 | 4 | 4 | 4
 | 0
 | 2
 | 0
 | 0 | 0
 | 343 | 896
 | 230 | 0 |
| 17,001 | 18,080 | 14,112 | 17,588 | 17,544 | 19,243 | 17,223 | 17,710
 | 20,392
 | 28,806
 | 20,358
 | 22,440 | 16,788
 | 22,590 | 22,411
 | 22,570 | 22,802 |
| 56,130 | 61,288 | 57,009 | 51,095 | 45,499 | 46,911 | 41,064 | 61,959
 | 55,873
 | 37,704
 | 42,892
 | 43,354 | 47,514
 | 49,696 | 30,310
 | 24,993 | 26,685 |
| | N/A 6,738 563 6,535 45,486 7,020 731 52 2 0 17,001 | N/A N/A 6,738 13,467 563 731 6,535 2,632 45,486 58,248 7,020 9,272 731 1,099 52 192 2 11 0 0 17,001 18,080 | N/A N/A N/A 6,738 13,467 18,911 563 731 865 6,535 2,632 2,790 45,486 58,248 69,771 7,020 9,272 10,957 731 1,099 1,171 52 192 655 2 11 33 0 0 0 17,001 18,080 14,112 | N/A N/A N/A N/A N/A 6,738 13,467 18,911 28,000 563 731 865 1,033 6,535 2,632 2,790 3,126 45,486 58,248 69,771 49,260 7,020 9,272 10,957 13,094 731 1,099 1,171 2,063 52 192 655 1,221 2 11 33 64 0 0 0 6 17,001 18,080 14,112 17,588 | N/A N/A N/A N/A N/A 6,738 13,467 18,911 28,000 32,995 563 731 865 1,033 1,163 6,535 2,632 2,790 3,126 2,143 45,486 58,248 69,771 49,260 75,437 7,020 9,272 10,957 13,094 14,083 731 1,099 1,171 2,063 2,461 52 192 655 1,221 1,713 2 11 33 64 188 0 0 6 5 17,001 18,080 14,112 17,588 17,544 | N/A N/A N/A N/A N/A N/A N/A 6,738 13,467 18,911 28,000 32,995 35,481 563 731 865 1,033 1,163 1,791 6,535 2,632 2,790 3,126 2,143 8,158 45,486 58,248 69,771 49,260 75,437 74,221 7,020 9,272 10,957 13,094 14,083 14,194 731 1,099 1,171 2,063 2,461 4,092 52 192 655 1,221 1,713 1,824 2 11 33 64 188 315 0 0 0 6 5 4 17,001 18,080 14,112 17,588 17,544 19,243 | N/A N/A <td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A</td></td></td></td></td></td></td></td></td> | N/A N/A <td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A</td></td></td></td></td></td></td></td> | N/A N/A <td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A</td></td></td></td></td></td></td> | N/A N/A <td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A</td></td></td></td></td></td> | N/A N/A <td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A</td></td></td></td></td> | N/A N/A <td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A</td></td></td></td> | N/A N/A <td>N/A N/A N/A<td>N/A N/A N/A<td>N/A N/A N/A</td></td></td> | N/A N/A <td>N/A N/A N/A<td>N/A N/A N/A</td></td> | N/A N/A <td>N/A N/A N/A</td> | N/A N/A |

Imports****			ı														
importo																	
Governmental and Utility- Owned In- State Generation	121,602	125,533	129,124	127,612	136,518	134,770	137,858	121,599	111,474	124,544	134,280	135,149	132,147	124,573	119,961	121,955	97,688
Total Hydroelectric	59,244	46,687	33,639	44,117	26,727	26,259	32,096	25,612	22,728	22,033	40,440	25,024	50,089	46,660	40,122	47,326	40,593
Large Hydroelectric	N/A	N/A															
Small Hydroeletric	N/A	N/A															
Nuclear	6,738	13,467	18,911	28,000	32,995	35,481	33,803	36,586	37,167	38,622	36,579	38,828	36,186	39,753	37,267	41,715	40,419
In-state Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oil	6,535	2,632	2,790	3,126	2,143	8,158	9,275	4,449	523	107	2,085	1,954	489	693	143	123	55
Natural Gas	42,742	54,168	63,654	40,517	62,222	53,040	52,249	45,262	42,353	54,338	46,738	61,474	39,448	31,856	37,048	27,699	14,995
Geothermal	6,341	8,576	10,122	11,831	12,421	11,827	10,429	9,684	8,700	9,441	8,435	7,842	5,855	5,540	5,302	5,009	1,543
Biomass	0	0	6	8	0	0	0	0	0	0	0	0	65	59	71	80	73
Wind	2	3	0	3	3	0	0	0	0	0	1	26	13	10	6	3	7
Solar	0	0	2	4	2	1	2	2	3	1	3	1	3	2	2	2	3
Other	0	0	0	6	5	4	4	4	0	2	0	0	0	0	0	0	0
Commercial In-State Generation	4,876	6,999	9,927	14,733	20,810	32,002	42,422	51,087	54,604	54,481	44,496	55,776	59,917	56,763	57,561	75,058	95,903
Total Hydroelectric	107	193	259	361	413	433	646	480	516	340	1,155	602	1,576	1,223	1,277	1,430	1,035
Large Hydroelectric	N/A	N/A															
Small Hydroeletric	N/A	N/A															
Nuclear	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
In-state Coal	563	731	865	1,033	1,163	1,791	2,479	3,692	3,050	3,629	2,549	2,655	1,136	2,870	2,276	2,701	3,602
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas	2,744	4,080	6,117	8,743	13,215	21,181	26,667	30,820	33,475	32,694	23,977	33,550	38,930	34,854	37,292	54,354	69,708
Geothermal	679	696	835	1,263	1,662	2,367	4,818	6,354	6,866	7,050	7,334	7,731	8,412	7,999	6,648	7,546	11,708
Biomass	731	1,099	1,165	2,055	2,461	4,092	5,204	6,644	7,312	7,362	5,760	7,173	5,904	5,498	5,630	5,186	5,590
Wind	50	189	655	1,218	1,710	1,824	2,139	2,418	2,669	2,707	2,867	3,268	3,169	3,144	2,733	2,773	3,426
Solar	2	11	31	60	186	314	469	679	716	699	854	797	790	831	808	837	835
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	343	896	230	0
													-	-		-	-
Energy Exports	N/A	N/A															
Pacific Northwest	N/A	N/A															
Pacific Southwest	N/A	N/A															
													1		ı		
Energy Imports	N/A	N/A															
Pacific Northwest	N/A	N/A															
Pacific Southwest	N/A	N/A															
											ı		1	ı	I		

Net Energy Imports	73,131	79,368	71,121	51,095	63,043	66,154	58,287	79,669	76,265	66,510	63,250	65,794	64,303	72,285	52,721	47,563	49,487
Pacific Northwest	38,375	41,027	37,146	31,632	24,977	19,893	17,739	31,665	28,819	19,600	15,466	15,315	19,890	29,529	25,204	19,428	26,051
Pacific Southwest	34,756	38,341	33,975	19,463	38,066	46,261	40,548	48,004	47,446	46,910	47,784	50,480	44,412	42,757	27,517	28,136	23,436

- * Note: Note: The data in this table is based on corrections and updates as of April 2014.
- ** Note: Electric generation categories, such as natural gas, are attributed based on the primary fuel of the plant. With the recent addition of biogas contracts being applied to existing natural gas plant supply contracts, the Total System Power table is not intended to be used as a measure of the state's progress toward the large variety of renewable generation and greenhouse gas emission goals. It is intended to be used as a guide only.
- *** Note: The Direct Coal Imports category is based on reported ownership shares and contractual arrangements for power purchases by California utilities. Due to legislative changes required by Assembly Bill 162 (2009) and to simplify the characterization of coal power generation, only Utah's Intermountain Power Project and Nevada's Mohave Generation Station (closed as of 2006) are included in the reported Direct Coal Imports for 1983 through 2012 on this table. A more detailed analysis of the role of coal-based power generation within California is outside the scope of this table. The California Air Resources Board is currently undertaking the task of identifying the fuel source of all imported power into California. When comparing coal and other power imports over time, the best approach is to compare the combined value of Net Energy Imports.
- **** Note: In this tabulation, generation located physically out-of-state is included in the energy imports category. The energy imports and exports include all electricity flows in and out of the state as reported by four California Balancing Authorities: California Independent System Operator, Los Angeles Department of Water and Power, Imperial Irrigation District, and Balancing Area of Northern California plus generation at six out-of-state power plants that are within one or more of these Balancing Authorities' control areas but are physically located outside California. These plants include Intermountain Power Plant (coal) in Utah, Mohave Generation Station (coal) in Nevada (now closed), Terra-Gen Dixie Valley plant (geothermal) and Desert Star Plant (natural gas) in Nevada, Termoelectrica de Mexicali Plant and InterGen's La Rosita Plant (natural gas) both of which are in Mexico. Power generated by these plants is not reported by Balancing Authorities as imports, hence their inclusion in this methodology. Finally, imports reported by Balancing Authorities do not include associated fuel source information. Fuel sources for out-of-state power are only reported by load serving entities under Power Source Disclosure and Power Content Label reporting requirements. As presented here, imports are only known for their geographic origin and not their fuel source origin. For a more detailed view of annual imported fuel sources, please refer to Total System Power

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